A. CLASSIFICATION OF SUBJECT MATTER Int.Cl <sup>9</sup> H01L29/78, H01L21/336, H0	1L21/316			
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed Int.Cl <sup>7</sup> H01L29/78, H01L21/336, H0				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2003 Kokai Jitsuyo Shinan Koho 1971-2003 Toroku Jitsuyo Shinan Koho 1994-2003				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category* Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.		
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Y US 2001/0023120 A (Yoshitaka 20 September, 2001 (20.09.01 Par. Nos. [0134] to [0143]; & JP 2001-257344 A Par. Nos. [0136] to [0143];	), Fig. 8	19-21,56-58		
Further documents are listed in the continuation of Box C. See patent family annex.				
Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "E" carlier document but published on or after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family				
Date of the actual completion of the international search 01 October, 2003 (01.10.03)	Date of mailing of the international sear 21 October, 2003 (2			
Name and mailing address of the ISA/ Japanese Patent Office  Authorized officer				
Facsimile No.	Telephone No.			



International application No. PCT/JP03/09052

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X Y	JP 2002-184773 A (NEC Corp.), 28 June, 2002 (28.06.02), Full text; Fig. 3 (Family: none)	69-71 12,31,45,67
E,X	JP 2003-158262 A (Toshiba Corp.), 30 May, 2003 (30.05.03), Full text (Family: none)	1-11,16-18, 22-30,34,38, 41-44,50-52, 55,59-66,68
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